

Title (en)

INTEGRATED CIRCUIT DEVICE, SOUND INPUTTING DEVICE AND INFORMATION PROCESSING SYSTEM

Title (de)

INTEGRIERTE SCHALTUNG, TONEINGABEVORRICHTUNG UND INFORMATIONSVERRARBEITUNGSSYSTEM

Title (fr)

DISPOSITIF À CIRCUIT INTÉGRÉ, DISPOSITIF D'ENTRÉE SONORE, ET SYSTÈME DE TRAITEMENT D'INFORMATION

Publication

**EP 2280558 A1 20110202 (EN)**

Application

**EP 09750612 A 20090520**

Priority

- JP 2009059293 W 20090520
- JP 2008132460 A 20080520

Abstract (en)

There is provided an integrated circuit device having a wiring board 1200', the wiring board 1200' including: a first vibrating membrane 714-1 which forms a first microphone; a second vibrating membrane 714-2 which forms a second microphone; and a differential signal generating circuit 720 which receives a first signal voltage obtained in the first microphone and a second signal voltage obtained in the second microphone and generates a differential signal indicating a difference between the first and second voltage signals, and a voice input device and an information processing system including the same. Accordingly, it is possible to realize a voice input element having a small size and a noise removal function with high accuracy.

IPC 8 full level

**H04R 1/02** (2006.01); **H04R 1/40** (2006.01); **H04R 3/00** (2006.01); **H04R 19/00** (2006.01)

CPC (source: EP US)

**H04R 3/005** (2013.01 - EP US); **H04R 19/005** (2013.01 - EP US); **H04R 2499/11** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2280558 A1 20110202**; **EP 2280558 A4 20110928**; CN 102037737 A 20110427; JP 2009284111 A 20091203; US 2011176690 A1 20110721; US 8824698 B2 20140902; WO 2009142250 A1 20091126

DOCDB simple family (application)

**EP 09750612 A 20090520**; CN 200980118650 A 20090520; JP 2008132460 A 20080520; JP 2009059293 W 20090520; US 99414709 A 20090520